KARST SPORTS

Caving, Climbing, & Rescue equipment

1995

Dear Customer,

Welcome to the electronic version of the 1995 Karst Sports catalog of equipment for caving, climbing, and rescue. In the following pages you will find top of the line products from CMI, Lost Creek, Gibbs, Pelican, Nite Lite, and many other manufacturers.

This catalog is to be used only as a buying guide for the products sold by Karst Sports. Caving, climbing, and technical rescue are dangerous by nature and require specialized training. This training cannot be learned from any catalog or book, it can only be learned from personal instruction by a teacher competent in all aspects the desired activity.

For ordering and product information please refer to the last page of this catalog.

Douglas L Moore II (NSS 33064)

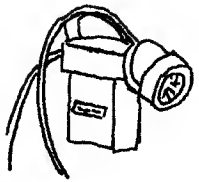
KARST SPORTS

NITE LITE WIZARD

A 6-volt 4-amp hour gell battery power pack in a hard plastic case with molded belt loops. The "HEAD" adjustable beam head lamp. Heavy duty 110-volt AC charger, and a 12-volt DC charger. Black Nite Lite hard hat. The WIZARD features Nite Lite's Quick "Konnect-It" power cord system. This system allows easy removal and placement of the battery pack while caving.

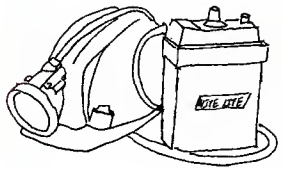
01003 Nite Lite WIZARD **68.00**

NITE LITE NITE SPORT



The NITE SPORT by Nite Lite is one of the newest additions to the Nite Lite family of Lights. It operates with a 6-volt 4-amp hour rechargeable battery. It comes with a 110-volt AC charger, the "Head" adjustable beam headlamp, and a padded cordura nylon battery case. The total weight of the system is less than 4 pounds.

01002 Nite Lite NITE SPORT **58.00**

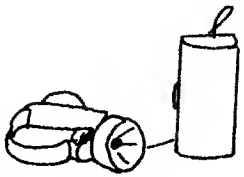


NITE LITE HOT LIGHT

The Nite Lite "Hot Light". It comes with a 4-volt 5100 Mine head mounted on a 6-volt Nite Lite Gell Cell battery. This light is for the caver that will run the strobe unit at approximately 4-volts while moving and turn it up to 6-volts to see that distant formation. It also comes with its own charger.

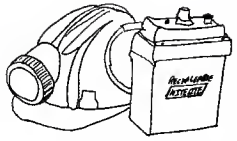
01004 Nite Lite HOT LIGHT **138.00**

JUSTRITE 19040



Justrite Metal head attached to a I" wide adjustable elastic headband. 4' insulated cord links head to corrosion-proof, one piece, hinged, side-opening case. Red Case. Requires 4 D batteries.

99999 Justrite 19040 **28.00**

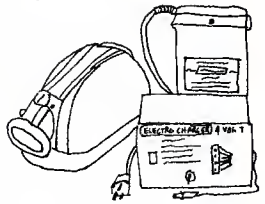


ORIGINAL NITE LITE

Includes a 6-volt 8-amp hour rechargeable gell cell battery, the "HEAD" adjustable headlamp, a heavy duty Rheostat to cut power to the bulb, and an automatic 110-volt AC charger.

01001 NL Original with The Head **98.00**
02001 12-volt DC charger **10.50**

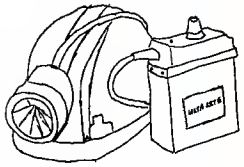
NITE LITE MINE LAMP PACKAGE



An alternative system to the Wheat and other Lead Acid Mine Lamp systems. This system uses a battery that never needs acid or water and is completely spill and leak-proof. Included in the package is a 5100 Mine-style head light, a Nite Lite 4-volt, 15-amp hour Gell battery, a Black Nite Lite hard hat, and a 4-volt Electro charger. If you are considering a Wheat lite this system is an excellent alternative.

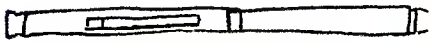
01005 NL Gell Cell Mine Lamp **150.00**

NITE LITE KITTEN KOONER



An ultra-light 4-volt rechargable light that weighs only 2 pounds I2 ounces. This super bright light gives up to 14 hours of bright light from a full charge when using a PR-3 bulb. The Kitten Kooner comes complete with the "HEAD" adjustable beam headlamp, a 110-volt charger, hardhat, Rheostat cover, and two Krypton bulbs.

01006 Nite Lite Kitten Kooner **88.00**



Kwik-Klip Nylon Belt

Nylon belt made of 2" nylon webbing. Features easy-on, easy-off Kwik-Klip buckle. Fully adjustable from 32" to 48". Red

99999 Kwik-Klip Belt **10.00**

$3.50 SHIPPING*

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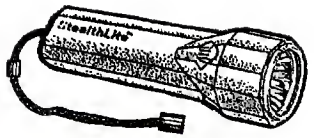
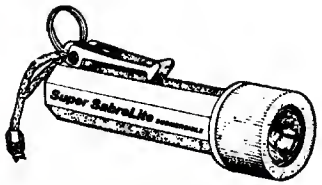


Pelican StealthLite

Watertight to 600 feet. Unbreakable ABS body. Pelican Laser Spot Xenon Lamp module. Includes: One-handed safety switch operation, double shock mounted battery compartment, and black lanyard. Operates 5-6 hours on 4-AA cell alkaline batteries. Length 6 1/2", Diameter 1 5/8". Assorted colors as available. MSHA & CSA approved.

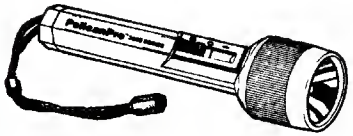
04001	Pelican StealthLite	**21.75**
05001	Xenon Lamp Module	**9.00**



Pelican Super SaberLite

Watertight to 2,000 feet. Unbreakable ABS body. Pelican Laser Spot Xenon lamp module. Includes: Belt spring clip, stainless steel split ring, and black lanyard. Meets military specifications. Requires three C-cell alkaline batteries. Length 7 1/2", Diameter 1 7/8". Assorted colors as available. FM, CSA, MSHA, & AUS approved.

04002	Pelican SabreLite	**25.75**
05002	Xenon Lamp Module	**9.00**



Pelican Pro Dual Beam

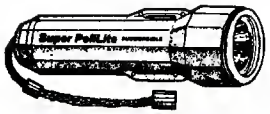
Watertight to 600 feet. Dual filament Xenon safety lamp produces 40,000 peak candlepower. A back-up filament and swith are instantly ready if primary filament or switch fails. Variable quick focusing beam adjusts both filaments. Produces 400 percent more light than standard 4-Cell flashlights with PR-13 bulb. Lamp has 30 hour life per filament. Requires four C-cell alkaline batteries. Length 11", Diameter 2 1/2". Assorted colors as available. CSA & FM approved.

04004	Pelican Pro-Dual Beam	**47.25**
05004	Xenon dual filament lamp	**11.25**

Pelican Versalite

Pelican's 6,000 candlepower patented Xenon high-performance LMX lamp module. Multiple position (o-ring sealed) swivel head and a water resistant polycarbonate case. Includes: Large multiple use visor cap/clothing clip, red lens, Velcro mounting system, adjustable hard-hat/headband, 2 AA batteries. Burn time at 60 degrees is 6-7 hours. Non glare black case. Length 3", Width 1 3/4", Height 1 7/8"

04003	Pelican Versalite	**17.25**
05006	Xenon Lamp Module	**4.75**



Pelican Super Pelilite

Watertight to 600 feet. Unbreakable ABS body. Complete with Xenon lamp module and lanyard. Requires two C-cell alkaline batteries. Length 6", Diameter 1 5/8". Assorted colors as available. FM, CSA, AUS, & MSHA approved.

04005	Pelican Pelilite	**19.00**
05005	Xenon Lamp Module	**9.00**

CMI
SPIDER STRAP

A unique strapping system for securing victims to a full back board or stretcher. A simple design with two-inch nylon straps that adjust with Velcro closures. A super safe ten point contact allows you to safely transport patients even at high angles of incline. Color: Blue, Weight: 800 gms. or 1 lb. 12 oz.

70002	CMI Spider Strap	**58.50**

$3.50 SHIPPING*

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LIGHT BULBS

Item#	Model	Description	Price
05001	2400	Stealthlite	**9.00**
05002	2000	Super Sabrelite	**9.00**
05006	1904	Versalite	**4.75**
05004	3502	Pro Dual Beam	**11.25**
05005	1800	Pelilite	**9.00**
05003	1900	MityLite	**3.75**
05007	BM12	12v Wheat	**6.50**
05008	BM30	4v Wheat Bulb	**4.00**
05009	BM32	Mine Spot	**8.50**
05010	3232	4v Wheat Bulb	**6.00**
05019	K12	6v Nite Lite	**1.25**
05020	K13	4v Nite Lite	**1.25**
05021	K18	Dynalite	**1.25**

LIGHT BULBS

Item#	Model	Description	Price
05011	PR2		**0.50**
05012	PR3		**0.50**
05013	PR12		**0.50**
05014	PR13		**0.50**
05015	PR15		**0.50**
05016	PR16		**0.50**
05017	PR18		**0.50**
05018	PR20		**0.75**
05022	425	GE425 Dry Cell	**1.00**
05023	605	GE605 Wet Cell	**0.75**
05024	10472	6v for Wheat	**6.00**

EVEREADY BATTERIES

06100	Enegizer "AA" cell	**1.00**
06101	Energizer "AAA" cell	**1.00**
06102	Energizer "C" cell	**1.25**
06103	Energizer "D" cell	**1.25**
06104	Energizer 9 volt battery	**2.00**
06105	Rechargeable "D" cell (2)	**10.00**
06106	Rechargeable "C" cell (2)	**10.00**
06107	Rechargeable "AA" cell (2)	**8.00**
06108	Rechargeable "AAA" cell (2)	**8.00**
06108	Rechargeable 9 volt battery	**10.00**

Nite Lite Battery

A 6-volt 8-amp hour gell cell battery that weighs only three pounds and fourteen ounces. It will fit most 6-volt, dry cell headlights and hand lanterns.

06004 Nite Lite 6v/8amp Bat. **39.00**

Nite Lite Ultra-Lite 4-Volt Battery

The lite weight 4-volt 9-amp hour gell cell battery used by the Nite Lite Kitten Kooner. This battery comes complete with wire cover and strain relief, all you need is a 4-volt head piece. Its completely spill and leakproff and fits the Wheat and Mine Lights.

06001 Nite Lite Ultra-Lite Bat. **38.00**

Nite Lite WIZARD Battery

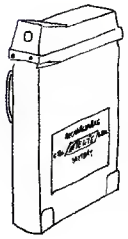
A 6-volt 4-amp hour gell battery power pack in a hard plastic case with molded belt loops and convenient handle. The WIZARD features Nite Lite's Quick "Konnect-It" power system.

06002 Nite Lite WIZARD Bat. **29.00**

Nite Sport Battery

Light weight and packed with power, this 6-volt 4-amp hour battery is completely spill and leakproof. It fits the Nite Sport Rechargeable light package.

06003 Nite Lite Sport Bat. **29.00**



4-volt GELL CELL

Fits 5100, 5200, 5800 headlights and 4-volt mine light. A Gell Cell battery for mine lights that gives approximately 12 hours of light. It features a full 15-amp hour rating for 4-volt lights and chargers from your present charger. It never needs acid or water. Cover Not Included.

06005 Nite Lite Mine Gell Cell **60.00**

$3.50 SHIPPING*

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4-POINT CHIN STRAP

A four point chin-strap system that features a fastex buckle for easy removal of the helmet. Includes hardware to mount the chin strap to your helmet. Requires drilling of helmet. Black

10006	4-Point chin strap	**4.50**

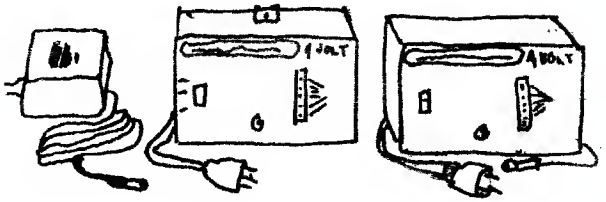
NITE LITE HARD HAT

A very simple and straight forward hard hat. This is the same helmet that comes with most Nite Lite light packages. It is available in Red, Blue, or Black.

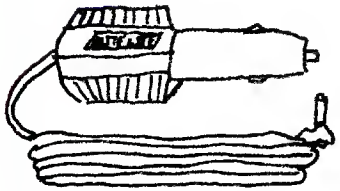
01002	Nite Lite Helmet	**8.75**

NITE LITE COMPANY

4-Volt Chargers



Item#	Name/Description	Price
02014	Wall Charger for (5800 Wheat Head)	**50.00**
02015	Electro Charger for (5200 Wheat Head)	**50.00**
02016	Electro Charger for (5100 Mine Head)	**50.00**



Cigarette Auto Charger

The perfect accessory for your Nite Lite. Plugs right into the cigarette lighter receptacle in your car or truck.

Item#	Name/Description	Price
02001	One plug Nite Lite 12-volt DC charger for '80 and newer models	**10.50**
02002	Two plug Nite Lite 12-volt DC charger for '72-'79 models	**10.50**
02003	Nite Lite 12-volt DC charger with two clips	**10.50**

NITE LITE CHARGERS

Item#	Name/Description	Price
02007	110-volt AC charger for Nite Lite WIZARD	**10.75**
02008	12-volt DC charger for Nite Lite WIZARD	**10.75**
02011	110-volt AC, one plug charger for '80 and newer Nite Lites	**16.50**
02009	110-volt AC, two plug charger for '72-'79 Nite Lites	**16.50**
02010	110-volt AC charger with 2 clips	**16.50**
02017	110-volt AC charger for NL490, Kitten Kooner battery	**16.50**
02003	12-volt DC charger for G60	**10.50**
02012	110-volt AC charger for G60	**10.50**

$3.50 SHIPPING*

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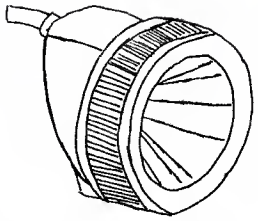
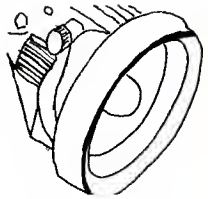
NITE LITE HEAD



The HEAD is an adjustable beam headpiece that is injection molded with ABS plastic. The highly polished reflector throws a brilliant blue-white spot using a pre-spotted bulb. The HEAD features a moisture proof o-ring seal around the lens, a neoprene seal around the lens as well as a weather proof switch. The HEAD may be used with either 4, 6, or 12 volt systems. It is becoming one of the most popular lights on the market today.

03007 Nite Lite HEAD **32.25**

5100 MINE LIGHT HEADPIECE



This 4-volt 5100 mine style headpiece fits NITE LITE 4-volt and WHEAT light batteries. You can also convert a NITE LITE 6-volt battery to a "Hot Lite" with this headpiece. The 5100 uses BM30 and Blazer-type bulbs. It has a 3 inch reflector with switch adjusting focus that lets you easily go from a wide flood to a brilliant spot.

03008 5100 Mine style headpiece **50.00**

WHEAT PARTS & ACCESSORIES

Item#	Name/Description	Price
03100	Battery Pouch for all Mine and Wheat batteries	**5.75**
03101	5200 Unlocking tool, removes Bezel on 5200 Wheat	**13.75**
03102	Wheat reflector for the 5100 Wheat head light	**7.75**
03103	Lens for 5100 Wheat head	**1.25**
03104	Wheat reflector for the 5200 Wheat head light	**7.75**
03105	Lens for 5200 Wheat head	**1.25**
03106	LEED Clamp assembly for attaching wires to battery posts	**3.50**
03107	5100 Mine Light Bezel	**3.50**
03108	Variable Beam switch for 4-volt Wheat (w/flicker)	**25.50**
03109	Variable Beam switch for 4-volt Wheat (without flicker)	**21.50**
03110	Wheat headlamp cord (for 5100 or 5200)	**21.00**
03111	Wheat headlamp cord with plug (for 5100 or 5200)	**21.00**
03112	Wheat Battery Cover	**9.00**
03113	Allen Screw for Switch Knob	**0.25**
03114	Allen Wrench for Switch Knob	**0.50**
03115	Red Pop Cover for Wheat heads (Specify 5100 or 5200)	**2.25**
03116	Amber Pop Cover for Whear heads (Specify 5100 or 5200)	**2.25**

NITE LITE PARTS & ACCESSORIES

Item#	Name/Description	Price
03200	Glass Lens for the HEAD	**0.75**
03201	Headlamp switch assembly for the HEAD	**2.00**
03202	Reflector for the HEAD	**3.00**
03203	Cord assembly for the HEAD (64 inches long)	**6.75**
03204	Polished reflector for the 1000 Headlight	**2.50**
03205	1000 series Nite Lite Headlight	**23.50**
03206	Heavy duty cord for the 1000 Headlight	**4.75**
03207	Rubber Collar for the Just Rite Head or Nite Lite Head	**2.75**
03208	Rheostat Cover for No. 1083 Nite Lite	**12.25**
03209	Rheostat Cover for 1979 4-watt	**13.25**
03210	Rheostat Cover for Kitten Kooner	**12.75**
03211	1980 Battery Top Wire Cover	**4.25**
03212	Charging Jack Dirt Plug	**0.50**

$3.50 SHIPPING*

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LOST CREEK PACKS
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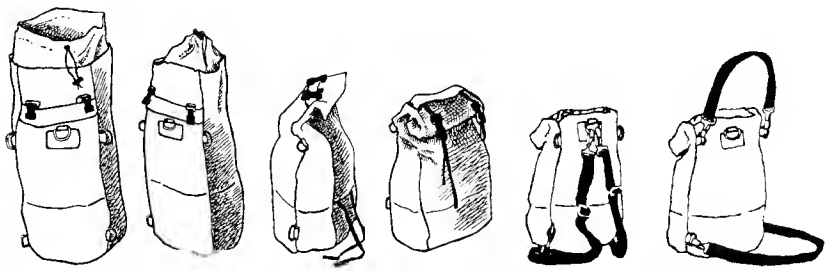
For Extreme Environments



The figures above illustrate the double closure system and the adjustable packstraps found on Lost Creek Cave Packs. These systems combine to create a pack suitable for many uses which require a tough, versitle bag to carry equipment and supplies. Lost Creek packs are used by police, fire departments, rescue teams, and climbers, as well as virtually all of the nation's serious cavers.

LOST CREEK CAVE PACKS

Item #	Name	Description	L	W	D	Price
50033	Buddy	Belt Pack	10	7	3	**21.50**
50031	Little Wildcat	Side or Waist	14	14	3	**32.75**
50027	Mini TAG	General Purpose	17	10	4	**37.00**
50028	Flint Ridge	General Purpose	19	7	4	**37.00**
50026	TAG	Multi Purpose	22	10	4	**38.75**
50029	Cumberland	Side Pack	15	13	4-1/2	**38.50**
50030	Monster TAG	Every Purpose	25	10	5 -1/2	**40.75**
50032	Missouri	Side or Waist	8	10	5-1/2	**39.75**
50035	Gorilla Pack	Expedition	25	12	6 -1/2	**43.75**
50034	Huautla Pack	Expedition	35	14-1./2 round		**58.50**

LOST CREEK BATTERY PACKS

Lost Creek Battery Packs protect your battery case and batteries from abrasion, moisture, impact, falling off your belt, and other hazards. Made of the same material as all Lost Creek Packs.

Item #	Name	Description	L	W	D	Price
50019	Small	Justrite & Etc.	7	4	2	**11.00**
50020	Medium	Gates & Etc.	7	4-1/2	2-1/2	**21.25**
50021	Large	Wheat & Etc.	12	6	2-1.2	**21.25**
50022	Side Sling	Shoulder Sling for LC11 & LC10				**5.50**

$3.50 SHIPPING*

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LOST CREEK CAVING COVERALLS

Made from 840 denier nylon ballistic. Special features include a front double closure consisting of two-way zipper which is protected by a velcro-closed placket. The extra-long zipper allows easy on and off. Breast pocket with velcro closure. The knee is reinforced with 1050 denier nylon ballistic. This is designed as a pocket to accommodate a foam pad.
The small fits up to 120# and 5'4". The medium up to 160# and 5'10". The large up to 200# and 6'2". We include a rear-end option at no extra cost. This adds an extra layer of material to the rear-end. Assorted colors as available.
A rear-end "factory rebuild kit" for coveralls is also available. Complete sewing instructions are provided in the kit.

52001	Lost Creek Coveralls	S, M, L	**72.50**
52002	Rear-end Rebuild Kit	S, M, L	**4.25**

LOST CREEK ACCESSORIES

Item#	Name/Description	Price
50023	Straps for Cave Packs	**4.75**
50025	Straps for Duffels & Briefcases	**5.75**
50024	Padded Straps for Cave Packs	**8.25**

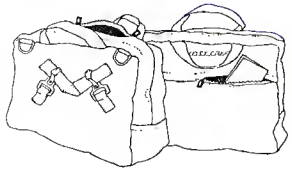
LOST CREEK MISCELLANEOUS PACKS

Item#	Name/Description	Price
50013	Large Day Pack, for toting your caving gear to the cave.	**57.25**
50014	Trash Hauling Bag, holds trash bags on cleanup trips.	**19.25**
50015	Digging Bag, designed to haul mud & rocks from cave digs.	**22.00**
50016	Environmental Shopping Bag/Tote Bag	**15.00**
50017	Lunch Bag without handle, made from nylon pack cloth.	**5.50**
50018	Lunch Bag with handle, made from nylon pack cloth.	**6.25**

LOST CREEK DUFFELS

Lost Creek Duffels are made from abrasion-resistant, water-repellent nylon ballistic. Straps and handles made from seatbelt webbing are continuous around the bag for extra strength. They are available with or without an end pocket. If ordering with an end pocket please add an additional $6.00 to the above price per each duffle bag.

50008	Executive	19	13	**23.50**
50009	Small	29	11	**23.75**
50010	Medium	29	14	**25.75**
50011	Large	34	14	**32.00**
50012	Square	24	14x12	**27.50**



LOST CREEK BRIEFCASES

Handsome enough for the corporate board room yet tough enough to take caving if you want. The Lost Creek briefcase is made from the same durable nylon ballistic as the Lost Creek cave packs and rope bags. The briefcase measures 11-1/2" high by 16" wide by 4-1/2" thick. The top zipper is covered by a "rain flap", and so is the zipper of the roomy side pocket. The briefcase is also available in a Bicycle model. Two snaps on the back of the briefcase allow it to fasten to the back of the seat or to a rack.

I50036	Standard Briefcase	**32.50**
50037	Briefcase with bicycle clips	**35.25**

$3.50 SHIPPING*

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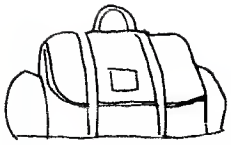


CMI
Medical Bag

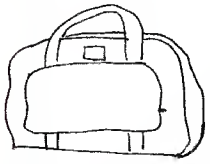
A special purpose bag designed to organize your medical gear completely. Two quick access pockets, two end pockets with velcro closure. A huge center compartment with velcro end flaps. The large center compartment has a unique liner for total organization. Zippered pocket inside of the large top flap that is secured by fastex buckles. A two inch shoulder strap for comfortable toting. The overall size is 20" long by 12" wide by 7" high. The center pocket is 7" high, 10" long, 7" wide. Each zippered side pocket is 2" x 6". A front divided pocket is 3" x 10". Made of 1000 denier Cordura nylon that is urethane coated. Weight: 1 lbs. 4 oz. Color: Orange, Blue, or Red. Specify color when ordering.

50002 CMI Medical Bag **36.00**

CMI
Oxygen Bottle Bag

A padded duffel bag that is specially designed to store and carry the standard "D" cylinder oxygen bottle. Includes twin loop grab handles. The oxygen bottle is stored in a fully lined interior with velcro tie-down straps. Access is gained through a self repairing nylon coil zipper. Mad of 1000 denier Cordura nylon that is urethane coated. Weight 1lb. 14 oz. Size 10" dia. x 22" long. Color: Orange, or Blue. Specify color when ordering.

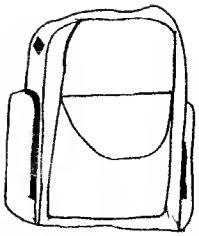
50001 CMI Oxygen Bottle Bag **54.00**



CMI
Turn-Out Bag

An oversized turn-out bag that allows quick access to large volumes of gear. It is used by firemen to haul their gear to the scene. 2" flat web loop straps for carrying. Made of 1000 denier nylong Cordura that is urethane coated. Weight: 1 lb. 12 oz. Size: front pocket 24" long, 16" high, 13.5" wide. side pocket 2" x 18" x 9.5". Color: Red, Blue, or Black. Specify color when ordering.

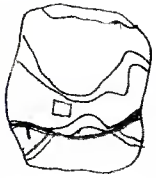
50005 CMI Turn-Out Bag **39.50**



CMI
Medical Pack

An essential pack that will haul all the componets needed for a back country or remote rescue. Includes a quick grip tote handle, a padded back panel, 2" waist belt with fastex buckle, and a pair of fully adjustable padded shoulder straps 3" wide. There are nine internal straps made with velcro. There is a special slot for an oxygen tank. A ladder splint can be stored around the perimeter. Overall size is 19" horizontal, 22" vertical, and 8" wide. Made of 1000 denier Cordura nylon that is urethane coated. Front expandable pocket is 2" x 13.5", side pockets are 2" x 13" zippered. Weight 2 lbs. 9 oz. Color: Orange, Blue, or Red. Specify color when ordering.

50003 CMI Medical Pack **81.00**



CMI
Boot Gear Bag

A special purpose bag designed to store and arrange bunker gear. This bag makes suiting up a breeze because of its unique clam shell design. You simply open up, step in, the pull up and slip on your bunker gear. It is constructed of 1000 denier nylon Cordura that is urethane coated. The zipper is a #10 coil zipper. Handles are made of 2" flat web. Size: 22" long, 18" high, 17" wide. Weight: 1.8 oz. Color: Red, Blue, or Black. Specify color when ordering.

50004 CMI Boot Gear Bag **41.50**

CMI
Fire Rescue Tote

Two zippered outside pockets and a full access top zip main compartment. Made of 1000 denier nylon Cordura that is urethane coated. Weight 12 oz. Size: 10" long, 12.5" high, 6.5" wide. Front and back flat zippered pockets. Color: Red, Blue, or Black.. Specify color when ordering.

50006 CMI Fire Rescue Tote **19.75**

$3.50 SHIPPING*

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The information supplied in this catalog is to be used as a guideline for making purchasing decisions only. It is the customers responsibility to obtain proper training and knowledge on the use of the products that we sell. Caving, Rock Climbing, and Technical Rescue are very dangerous by nature. Without proper training bodily harm or death may result. You cannot receive this information from a book or catalog. The only way to receive this knowledge is from personal instruction by an instructor competent in all of the proper techniques.

New England Ropes Dynamic Rope

New England Ropes have put there twenty five plus years of experience in the manufacture of ropes into this product. It is made of 100 percent nylon. The construction is kernmantle with a continuous strand core of yarns that are tightly braided. It is extremely flexible and is available in 9mm, 9.8mm, 10.5mm, and 11mm diameters. The prices listed are for 50 meters or 165'. Other lengths are available SPECIAL ORDER.

Item#	Diam.	Weight Meter	Elongation	U1AA Falls	Tensile Strength	Color	Price
40001	9mm	55.3gms	9.5%	9-11(double)	2014kg.	Blue	**88.50**
40002	9mm	55.3gms	9.5%	9-11(double)	2014kg.	Teal	**88.50**
40003	9mm	55.3gms	9.5%	9-11(double)	2014kg.	Yellow, dry	**103.50**
40004	9mm	55.3gms	9.5%	9-11(double)	2014kg.	Teal, dry	**103.50**
40005	9.8mm	64.1gms	7.3%	5-6	2500kg	Purple	**103.50**
40006	9.8mm	64.1gms	7.3%	5-6	2500kg	Blue, dry	**123.00**
40007	9.8mm	64.1gms	7.3%	5-6	2500kg	Teal, dry	**123.00**
40008	10.5mm	68.8gms	7.3%	7-9	2840kg	Purple	**103.50**
40009	10.5mm	68.8gms	7.3%	7-9	2840kg	Teal, dry	**123.00**
40010	11mm	74.4gms	7%	10-12	3090kg	Purple	**114.00**
40011	11mm	74.4gms	7%	10-12	3090kg	Teal	**114.00**
40012	11mm	74.4gms	7%	10-12	3090kg	Blue, dry	**129.00**

New England Ropes Static Kernmantle Rope

New England Static Kernmantle ropes are manufactured using a balanced construction of materials. They are constructed of a continuous filament polyester cover that is braided over a nylon core. This design makes the rope have high chemical resistance. This filament cover also provides the most durable and abrasion resistant construction available. This rope is torque balanced to elimante spin thus creating a non-rotating rope with controlled elongation. It meets or exceeds the 1983 NFPA standard for one and two person ropes. Each rope comes with a tag that details the specifications of the rope to ensure the rope will meet your application. It is available in 3/8", 7/16", 1/2" and 5/8" diameters in lengths upto 2,400 feet. Are standard lengths are 150', 200', 300', and 600'. Other lengths are available SPECIAL ORDER.

Item#	Diam.	Weight 1000'	Elongation 450lbs	Tensile Strength	Color	Price per foot
41001	3/8"	3.8lbs.	2%	5,600lbs	White	**0.52**
41002	3/8"	3.8lbs	2%	5,600lbs	Black	**0.63**
41003	3/8"	3.8lbs	2%	5,600lbs	Orange	**0.63**
41004	7/16"	5.4lbs	2%	7,800lbs	White	**0.59**
41005	7/16"	5.4lbs	2%	7,800lbs	Black	**0.67**
41006	7/16"	5.4lbs	2%	7,800lbs	Orange	**0.67**
41007	1/2"	7.0lbs	2%	10,000lbs	White	**0.68**
41008	1/2"	7.0lbs	2%	10,000lbs	Black	**0.79**
41009	1/2"	7.0lbs	2%	10,000lbs	Orange	**0.79**
41010	5/8"	10.2lbs	2%	12,700lbs	White	**0.94**
41011	5/8"	10.2lbs	2%	12,700lbs	Black	**1.09**
41012	5/8"	10.2lbs	2%	12,700lbs	Orange	**1.09**

$3.50 SHIPPING*

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ACCESSORY CORD
5.5mm SPECTRA®

Manufactured by New England Ropes. Tensile Strength: 1800kg. Available in three colors: Black, Yellow, or Teal. It is available in any length up to 25 Meters (82').

42200	5.5mm Spectra, 25M	**70.00**
42201	5.5mm Spectra, per foot	**0.95**

ACCESSORY CORD

Nylon kernmantle construction accessory cord. Available by the foot or by the spool. These cords are not to be used for climbing, rappelling, or rescue operations.

42000	3mm, 500'	**50.75**
42001	3mm, per foot	**0.12**
42002	4mm, 300'	**45.00**
42003	4mm, per foot	**0.17**
42004	5mm, 300'	**62.25**
42005	5mm, per foot	**0.23**
42006	6mm, 300'	**84.00**
42007	6mm, per foot	**0.30**
42008	7mm, 300'	**95.75**
42009	7mm, per foot	**0.34**
42010	8mm, 300'	**116.00**
42011	8mm, per foot	**0.41**

1" TUBULAR WEBBING

4,000 pound test 1" Tubuluar Webbing. Available in: Lime Green, Gold, Yellow, Purple, Hot Pink, Black, Orange, Forest Green, Silver, Magenta, Red, & Royal Blue. Please state first and second colors when ordering in case we are out of stock of your first choice.

43001	1" Tube Webbing, per foot	**0.27**
43002	1" Tube Webbing, 300'	**75.00**

11/16" SUPERTAPE

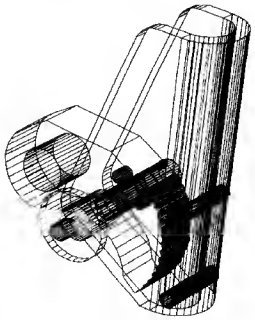
The classic that is becoming the standard of climbers world wide. Available in assorted colors.

43003	11/16" , Supertape, per foot	**0.27**
43004	11/16" , Supertape, 300'	**75.00**

CMI BUCKLES

The popular double pass Pro-Loc buckle from CMI. Formed from either lightweight aluminum or high-strength chrome-moly steel. Minimum strength is in excess of 3600 pounds on the 2" buckles.

44001	2" Pro-Loc Aluminum Buckle	**3.75**
44002	1" Pro-Loc Aluminum Buckle	**3.00**
44003	2" Pro-Loc Steel Buckle	**2.00**



GIBBS

The rope is fully enclosed on this popular cam loaded ascender. Gibbs Ascenders apply the load directly to the cam so they will engage even if the rope is muddy, wet, or icy. They are intended for use by one person on an overhead fixed rope. They should never be loaded with more than 1000 lbs, and should always have a backup. GIBBS are available in several models for different situations and ropes. They are made with either a lightweight aluminum shell or a stainless steel shell for maximum wear. The 32009 - 32011 are the sport model GIBBS. They are intended for use on 7/16" and 1/2" Rope. Their breaking strength is 2500 lbs. but they will do rope damage above 2000 lbs. load. The 32012 & 32013 are extra duty ascenders for rescue and litter work on 1/2" rope. The 32012 features an extra thick aluminum shell giving and ultimate breaking strength of 5000 lbs. However, the 32012 will do rope damage about 3000 lbs. The 32013 features a stainless steel shell which provides the strongest, most abrasion resistant Gibbs available for 1/2" rope. Its ultimate breaking strength is 5400 lbs. but may do rope damage above 2000 lbs. The 32014 & 32015 are designed for 5/8" and 3/4" rope for rescue and worker protection when extra wear and strength is needed. The 32014 has a lightweight aluminum shell. Its ultimate breaking strength is 5650 lbs. but it may do rope damage above 3000 lbs. The 32015 is constructed of a stainless steel shell. It has an ultimate breaking strength of 5650 lbs. It may do rope damage above 3000 lbs.

Item#	Shell	Rope	Cam	Type	Price
32009	Alum	1/2"	Cast	Free	**33.50**
32010	Alum	1/2"	Cast	Spring	**33.50**
32011	Alum	1/2"	Cast	Hinged	**40.50**
32012	Alum	1/2"	Forged	Spring	**48.00**
32013	Stain S	1/2"	Forged	Spring	**49.50**
32014	Alum	5/8"+	Forged	Spring	**47.25**
32015	Stain S	5/8"+	Forged	Spring	**52.50**

$3.50 SHIPPING*

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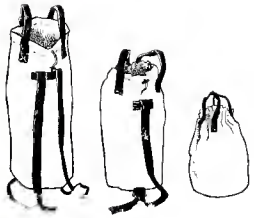
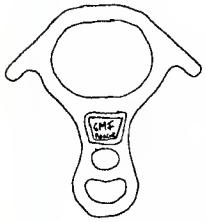


LOST CREEK ROPE BAGS

Pictured here are the small through large Lost Creek rope bags. All have drawcord top with barrel lock and two top handles. All capacity estimates are based on stiff 7/16 inch PMI. The actual amount held by a bag varies with the type of rope and how it is loaded into the bag. Lost Creek rope bags are some of the best there are. They were designed to take the abuse of caving and rescue work. We normally stock Orange but other colors are available.

Item#	Name/Description	L	D	Rope	Price
39001	Small rope bag	12	11	125'	**12.25**
39002	Medium, shoulder style	20	11	200'	**17.00**
39003	Large, backpack style	26	11	350'	**24.75**
39004	X-tra Large, backpack style	29	13	600'	**26.25**
39005	X-X-tra Large, backpack style	37	16	800'	**37.00**



CMI '8' Rings

Some of the finest rappel and belay devices in the world. All are hot forged from high tensile strength aircraft alloy aluminum. After forging they are treated to a special hard-coat process. There are three choices of '8' rings from CMI.

The standard can be used with Kermantle and laid 9mm, 10.5mm or 11mm ropes in either single or double configuration. It's specifications are: weight 4.2 oz., length 5.5 inches, width 3 inches, and a breaking strength of 8,000+ pounds.

The Ultra '8' is a special purpose '8' ring not for rescue or sport rappeling. It can be used with 8 - 11mm Kermantile ropes in either single or double configurations. Specifications: weight 1.4 oz., length 4 inches, width 2 7/16 inches, and a breaking strength of 8,000+ pounds.

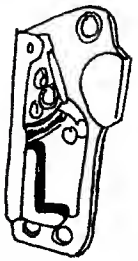
The Rescue '8' is specially designed for rescue with extended "horns" on the upper portion. Single, knotted 1/2" ropes, 3/4" ropes and double 5/8" ropes can be used with it. Specifications: weight 7.8 oz., length 6 3/4 inches, width 6 1/8 inches, and a breaking strength of 10,000+ pounds.

33001	CMI '8' Standard	**18.00**
33003	CMI Ultra '8'	**13.50**
33002	CMI Rescue '8' ring	**30.00**

Lost Creek Rope Pads

Lost Creek rope pads are tough, light weight, and compact. A pocket is built-in that the rope pad rolls up into for storage of the pad and cord. Approx. 8 inches wide.

39006	Rope Pad - 3'	**7.00**
39007	Rope Pad - 5'	**8.25**



CMI Ultrascender Large

One of the best ascenders available. The CMI ultrascender line is so good that they gurantee the cams for as long as you own them. If you ever wear one out CMI will replace it free of charge. Specifications: Weight 270 grams, Length 18.7 cm. or 7.375 inches, Width 7.6 cm. or 3 inches, and the Breaking Strength is in excess of 5,000 pounds. Sold only in pairs.

32001	CMI Ultrascender Large	**87.50**

CMI Ultrascender Small

The same quality and construction of the CMI Ultrascender Large only in a smaller package. They come with the same lifetime gurantee on the cams. Specifications: Weight 180 grams, Length 12 cm. or 5.125 inches, Width 7.6 cm. or 3 inches, and the Breaking Strength is in excess of 4,000 pounds. Sold only in pairs.

32002	CMI Ultrascender Small	**77.50**

CMI Ultrascender Parts

32007	Cam Axle for all CMI ascenders	**.75**
32008	Snap Ring for all CMI ascenders	**.10**
32004	Cam Spring for Ultrascender	**.75**
32005	Safety for Ultrascender	**2.00**
32006	Safety Spring for Ultrascender	**.75**

$3.50 SHIPPING*

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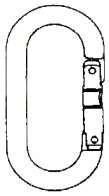
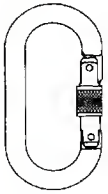


CMI
Aluminum Oval

Gate opening:	0.79in. (20mm)
Strength:	4500lb (20KN)
Minor Axis:	(7KN)
Gate Open:	(6KN)
Weight:	2.29oz. (65GR)

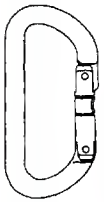
34003	CMI ALU Oval	**6.25**
34003-10	Bulk Discount Price (10)	**56.25**



CMI
Locking Aluminum Oval

Gate opening:	0.71in. (18mm)
Strength:	4500lb (20KN)
Minor Axis:	(7KN)
Gate Open:	(6KN)
Weight:	2.36oz. (67GR)

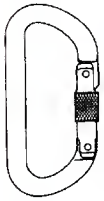
34004	CMI Locking ALU Oval	**8.00**
34004-10	Bulk Discount Price (10)	**72.00**



CMI
Aluminum "D"

Gate opening:	0.67in. (17mm)
Strength:	6700lb (30KN)
Minor Axis:	(8KN)
Gate Open:	(10KN)
Weight:	2.29oz. (65GR)

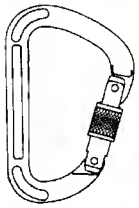
34001	CMI ALU "D"	**6.25**
34001-10	Bulk Discount Price (10)	**56.25**



CMI
Locking Aluminum "D"

Gate opening:	0.59in. (15mm)
Strength:	6700lb (30KN)
Minor Axis:	(8KN)
Gate Open:	(10KN)
Weight:	2.36oz. (67GR)

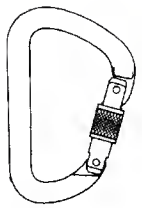
34002	CMI Locking ALU "D"	**8.00**
34002-10	Bulk Discount Price (10)	**72.00**



CMI
BIG Locking Aluminum "D"

Gate opening:	0.94in. (24mm)
Strength:	6700lb (30KN)
Minor Axis:	(8KN)
Gate Open:	(12KN)
Weight:	3.0oz. (85GR)

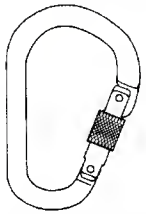
34005	CMI BIG Locking ALU "D"	**10.75**
34005-10	Bulk Discount Price (10)	**96.75**



CMI
BIG Locking Steel "D"

Gate opening:	0.94in. (24mm)
Strength:	7800lb (35KN)
Minor Axis:	(8KN)
Gate Open:	(10KN)
Weight:	7.90oz. (224GR)

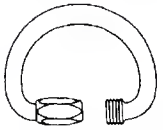
34006	CMI BIG Locking Steel "D"	**13.50**
34006-10	Bulk Discount Price (10)	**121.50**



CMI
HMS Screw Locking

Gate opening:	0.94in. (24mm)
Strength:	4900lb (22KN)
Minor Axis:	(8KN)
Gate Open:	(6KN)
Weight:	3.10oz. (88GR)

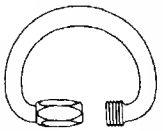
34007	CMI HMS Screw Locking	**10.75**
34007-10	Bulk Discount Price (10)	**96.75**



Maillon Rapide
Quicklink "D" Aluminum

Gate opening:	0.47in. (12mm)
Strength:	3300lb (1500KG)
Weight:	1.94oz.(55GR)

34008	MR Quicklink "D" ALU	**10.75**
34008-10	Bulk Discount Price (10)	**96.75**



Maillon Rapide
Quicklink "D" Steel

Gate opening:	0.47in. (12mm)
Strength:	6600lb (3000KG)
Weight:	5.33oz.(151GR)

34009	MR Quicklink "D" Steel	**8.00**
34009-10	Bulk Discount Price (10)	**72.00**

Maillon Rapide
Quicklink, Oval, Aluminum

Gate opening:	0.63in. (16mm)
Strength:	5500lb (2500KG)
Weight:	2.15oz.(61GR)

34010	MR Quicklink, Oval, ALU	**4.50**
34010-10	Bulk Discount Price (10)	**40.25**

$3.50 SHIPPING*

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CMI Daisy Chain

CMI Daisy Chains are very useful for situations that you main run across in caving, climbing, and rescue work. They are constructed from 1" tubular webbing and have a tie-in point at each end. Specifications: Weight 150 grams or 5.3 oz., Strength: 6000 pounds.

29022	CMI 1" Daisy Chain	**15.25**
29025	11/16" Daisy Chain	**15.25**

CMI Sewn Webbing Runners

CMI runners feature a bar-tack construction that is stronger than the webbing its self. They are available in both Standard Loop and Rabbit versions and in various webbings. Specifications: Breaking Strength Standard Loop: 9/16" 4,000 pounds, 1/16" 4,500 pounds, 1" 6,000 pounds, Rabbit Runner: 1" 4,000 pounds.

Standard Loop Runners

29013	1" x 6"	**1.25**
29014	1" x 12"	**1.75**
29015	1" x 24"	**2.00**
29016	11/16" x 6"	**1.50**
29017	11/16" x 12"	**2.00**
29018	11/16" x 24"	**2.75**
29019	5/8" Spectra by 6"	**2.25**
29020	5/8" Spectra by 12"	**2.75**
29021	5/8" Spectra by 24"	**4.25**

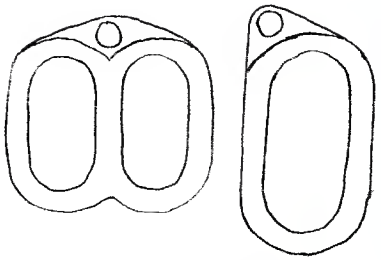
Rabbit Runners

29004	1" x 24"	**2.75**
29005	1" x 36"	**3.50**
29006	1" x 48"	**4.25**
29007	11/16" x 24"	**2.75**
29008	11/16" x 36"	**3.50**
29009	11/16" x 48"	**4.25**
29010	5/8" Spectra by 24"	**4.25**
29011	5/8" Spectra by 36"	**5.75**
29012	5/8" Spectra by 48"	**7.00**

CMI ETRIERS

CMI Etriers are made of a continual length of one inch tubular nylon that is bar tacked and reinforced. This yields a pair of high step etriers in contrasting colors. Specification: Colors: assorted, Weight: 396 grams or 14 oz. per pair.

29001	CMI Etrier 3 Step	**12.50**
29002	CMI Etrier 4 Step	**15.75**
29003	CMI Etrier 5 Step	**20.75**



CMI Micro Belay Plates

Hot forged from 7075 aircraft allloy aluminum give these Belay Plates strength not found in competing products. These are the lightest and strongest Belay Plates available anywhere. They are available in two sizes 9mm and 11mm. Both have a breaking strength of 6,000+ pounds. Specifications: Weight: 9mm 11grams, 11mm 8grams, Length: 9mm 4cm. 11mm 4.8cm. Width: 9mm 4cm. 11mm 2.5cm.

31001	Micro Belay Plate 9mm	**8.00**
31002	Micro Belay Plate 11mm	**8.00**

CMI Grappling Hook

A 1/2" forged steel eyebolt that tests in excess of 12,000 pounds. To the shank is welded five 4140 chrome-moly steel tines that will resist a load of 2,000 pounds. The tines are ductile enough that they fail by opening rather than breaking. The grappling is used as an extension of the hand and not as a primary means of penetration. A special bag is available designed for the CMI grappling hook that will hold up to 150' of 7/16" line.

70003	CMI Grappling Hook	**72.00**
70004	CMI Grappling Hook bag	**31.00**

Lost Creek Survey Book Pouch

A tough pouch made of nylon balistic to withstand the rigors of caving as well as geology field work. It has velcro all around the top flap for an extra tight closure. There are separate sleeves for pencils, pens, rulers, etc. Belt loops are on the back plus D-rings to use with the standard Lost Creek cave pack strap. Length 9 1/2" Width 8".

86001	Survey Book Pouch	**21.00**

$3.50 SHIPPING*

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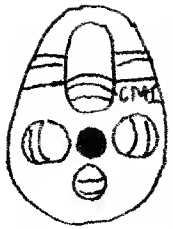
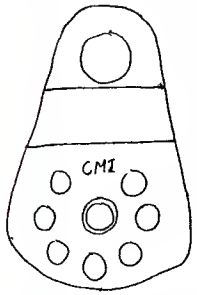


CMI
"Original" Pulleys

Four versions are available of the CMI "Original" Pulley. All are 5/8" rope capable. 30001: The least costly CMI pulley. Red anodized aluminum sideplates with a glass filled, silicone impregnated Celcon sheave. 30002: Stronger than the 30001 and more durable. Black anodized aluminum sideplates, aluminum sheave and permanently lubricated sintered bronze bushing. 30003: Designed for hostile environments. Blue anodized aluminum sideplates, aluminum sheave and permanently lubricated and sealed needle bearing. 30004: A "high-strength" pulley. Stainless steel sideplates, aluminum sheave and permanently lubricated and sealed needle bearing. Specifications: Weight: 30001: 6 oz., 30002 & 30003: 7 oz., 30004: 10.4 oz. Length: All 11.5 cm. or 4.5 inches. Width: All 5 cm. or 3 inches. Sheave diameter: All 6cm. or 2.375 inches. Breaking Strength: 30001: 3,500 lbs., 30002 & 30003: 5,000 lbs., 30004: 10,000 lbs.

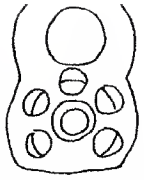
30001	CMI Original Pulley 2"	**17.00**
30002	CMI Original Pulley 2"	**25.25**
30003	CMI Original Pulley 2"	**33.25**
30004	CMI Original Pulley 2"	**40.25**



CMI
Hi-Roller Series Pulleys

16,000 breaking strength and 5/8" rope capability on these pulleys. Two carabiners will fit in the large top hole. Skirted side plates fulley enclose rope. Available in 3" and 4" sheave diameter. There are four models of this pulley to choose from. 30005: Stainless Steel sideplates, aluminum sheave and sintered bronze bushing. 30006: Stainless Steel sideplates, aluminum sheave and permanently lubricated and sealed needle bearing. 30007: Stainless Steel sideplates, aluminum sheeve and sintered bronze bushing. 30008: Stainless Steel sideplates, aluminum sheeve and permanently lubricated and sealed needle bearing. Specifications: Weight: 30005 & 30006: 20 oz., 30007 & 30008: 27 oz., Length: 30005 & 30006: 6.375", 30007 & 30008: 7.5", Width: 30005 & 30006: 4", 30007 & 30008: 5".

30005	CMI Hi-Roller, 3", Bushing	**39.75**
30006	CMI Hi-Roller 3", Bearing	**49.75**
30007	CMI Hi-Roller 4", Bushing	**41.50**
30008	CMI Hi-Roller 4", Bearing	**53.50**



Micro Pulley

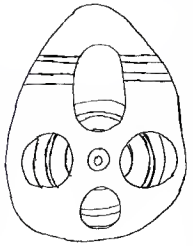
A miniature pulley for special applications. Available in both a climber and rescue model. Features 7075-T6 sideplates for unparralleled strength, aluminum sheave on the rescue model, or a nylon sheave on the climber model. Maximum rope diameter of 7/16". Purple in color. Designed for real life situations where compactness and lightweight are essential. Specifications: Weight: Climber 1.75 oz., Rescue: 2.125 oz., Dimensions: Climber: 2.625 x 1.875 inches, Rescue: 67 x 48mm. Breaking Strength: Both 6,000 lbs.

30009	CMI Micro Pulley, Climber	**14.75**
30010	CMI Micro Pulley, Rescue	**15.25**

CMI
Double Ended Pulleys

A unique pulley that features a hole at the bottom that can be used to daisy chain pulleys or to direct the load. Stainless Steel Sideplates and an Aluminum sheave. Maximum rope or cable capability 5/8" Available with a bearing or bushing. Strength: 9,500 lbs. minimum. Dimensions: 3.25" x 5.75".

30011	CMI Double Pulley, Bushing	**26.75**
30012	CMI Double Pulley, Bearing	**38.50**



CMI
"Ropes" Course Pulleys

A special pulley designed to facilitate the use of steel cable. Maximum rope capability 5/8" inch. There are three models available in this series of CMI pulleys. All have a steel sheave treated to a hardness of Rockwell 71 which is harder than most knives and files. The sheaves are then treated with a special anti-corrosion coating. 30013: Aluminum sideplates, sintered bronze bushing, hardened and polished axle. 30014: Aluminum sideplates, sealed needle bearing, hardened and polished axle. 30015: Stainless Steel sideplates, sealed needle bearing, hardened and polished axle. Specifications: Weight: 30013 & 30014: 11 oz., 30015: 14.5 oz., Length: All 4.5 inches, Width: All 2.5 inches, Sheave diameter: All 2.37 inches. Minimum breaking stengths: 30013 & 30014: 5,000 lbs., 30015: 10,000 lbs.

30013	CMI "Ropes Course" pulley	**28.00**
30014	CMI "Ropes Course" pulley	**33.25**
30015	CMI "Ropes Course" pulley	**31.75**

$3.50 SHIPPING*

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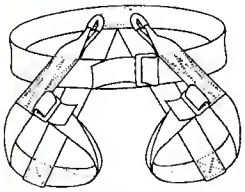
CMI ULTRA HARNESS

One of the best harnesses in the industry. It features leg loops lined with 1/4" closed cell foam. The 3" waistband is padded with 3/8" nylon covered foam. Aircraft alloy aluminum buckels. Specifications: Weight 448 grams or 16 oz., Breaking Strength exceeds UIAA test specs of 3550 pounds. Sizes: XXS: 23-25, XS: 25-28, S: 28-30, M: 30-32, L: 32-34, XL: 34-36, XXL: 36-38. Due to sizing please allow extra time for shipment.

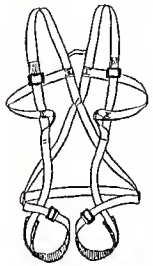
20001 CMI Ultra Harness **60.00**



CMI ROCK PLUS HARNESS

A fully adjustable harness that adjusts easily with easy-cinching two-inch buckles on the waist and legs. Specifications: Weight 454 grams or 16 oz., Breaking Strength exceeds UIAA test specs of 3550 pounds. Sizes: XS: 26-28, S: 28-30, M: 30-32, L: 32-34, XL: 34-36. Due to sizing please allow extra time for shipment.

20003 CMI Rock Plus Harness **34.75**



CMI FULL-BODY HARNESS

CMI has introduced a full-body harness constructed of 2" nylon flat web. It features a quick-secure adjusting buckle. It has one main tie-in point in the front and is one size fits all. Specifications: Weight: 908 grams or 32 oz., Color: Black.

20007 CMI Full-Body Harness **90.00**

LOST CREEK NYLON STRETCHER

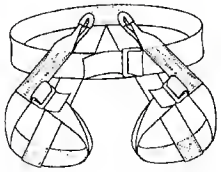
A single sheet of Nylon that can be used as a drag sheet or other type carrying device. Five 2 inch seat belt webbing straps are sewn on each side. This device was orginally designed by Lost Creek to aid Police in removing protesters at rallys.

70005 LC Nylon Stretcher **51.50**

CMI DELUXE HARNESS

Everything the CMI Ultra Harness has minus the padding. Specifications: Weight 411 grams or 14 oz., Breaking Strength exceeds UIAA test specs of 3550 pounds. Sizes: XXS: 23-25, XS: 25-28, S: 28-30, M: 30-32, L: 32-34, XL: 34-36, XXL: 36-38. Due to sizing please allow extra time for shipment.

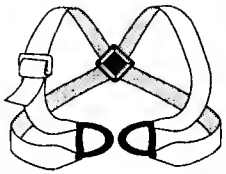
20002 CMI Deluxe Harness **45.00**



CMI ROCK HARNESS

A simple harness for those seeking safety at an affordable price. It is made of 2" nylon webbing and is versatile enough for most climbing applications. Specifications: Weight 311 grams or 11 oz., Breaking Strength exceeds UIAA test specs of 3550 pounds. Sizes: XXS: 24-26, XS: 26-28, S: 28-30, M: 30-32, L: 32-34, XL: 34-36, XXL: 36-38. Colors: Teal Blue and Black. Due to sizing please allow extra time for shipment.

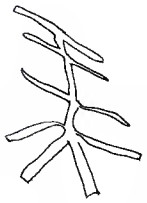
20004 CMI Rock Harness **23.50**



CMI CHEST HARNESS

Designed as an adition to any CMI sit harness thus forming a full body harness. It is constructed of 2" webbing. It is not to be used without a sit harness. The UIAA recommends using a chest harness with all sit harnesses. Specifications: Weight 448 grams or 16 oz. Sizes: XS: 36, S: 38, M: 40, L:42, XL: 44, XXL: 46. Colors: Teal Blue or Black. Due to sizing please allow extra time for shipment.

20006 CMI Chest Harness **15.00**



CMI SPIDER STRAP

A unique strapping system for securing victims to a full back board or stretcher. A simple design with two-inch nylon straps that adjust with Velcro closures. A super safe ten point contact allows you to safely transport patients even at high angles of incline. Color: Blue, Weight: 800 gms. or 1 lb. 12 oz.

70002 CMI Spider Strap **58.50**

$3.50 SHIPPING*

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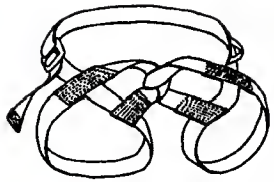


KARST WORKS TAG HARNESS

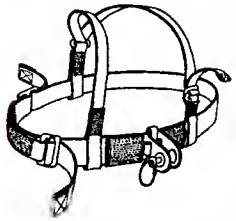
Made by cavers for cavers. Uses Mil-Spec 1 3/4 inch webbing for optimal comfort, safety and versatility. Waist belt is adjustable, leg loops are not. One equipment loop on left side. Sizes are based on maximum thigh circumference: Small (19-21 inches); Medium (21-23 inches); Large (23-25 inches); Extra Large (25-27 inches). Assorted colors as available.

20100	KW Tag Harness	**44.25**

KARST WORKS CHEST BOX HARNESS

Designed to accept the placement of a commercial chest box (Bluewater, SSI, Blum Box, or Ledbetter). The chest strap is a continuous loop of 1 3/4 inch Mil-Spec webbing and will fit almost any size chest. Shouler straps are made of 1 inch tubular webbing and adjust via a quick adjust buckle; both straps are self equalizing. A sewn ring is provided at the front to attach a bungee cord from a knee ascender. Assorted colors as available.

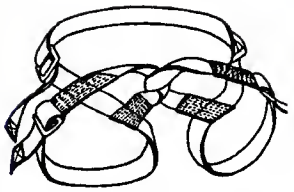
20102	KW Chest Box Harness	**35.25**



KARST WORKS SIMMONS ROLLER HARNESS

Constructed similar to the regular Karst Works Chest Box Harness, these harnesses come pre-sewn with a Simmons Roller. The chest strap is a continuous loop of 1 3/4 inch Mil-Spec webbing. The harness is fully adjustable and will fit a chest size between 28 inches and 50 inches. Critical wear points have webbing of a contrasting color sewn inside the outer webbing. Assorted colors as available.

20103	Field Roller (No Stiffener)	**89.75**
20104A	Field Roller (With Stiffener)	**97.25**
20104B	Racing Roller Harness	**109.00**
20104C	Short Double Roller	**147.00**
20104D	Long Double Roller	**159.00**

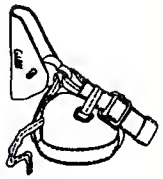


KARST WORKS EXPEDITION HARNESS

Similar in design to the Karst Works TAG Harness, the Expedition Harness adds adjustable leg loops. This allows the harness to adjust to match variations in thigh circumference due to multiple users or varying clothing requirements. Two equipment loops on left side. The harness will fit a leg circumference of up to 30 inches and a waist of 26 to 46 inches. Assorted colors as available.

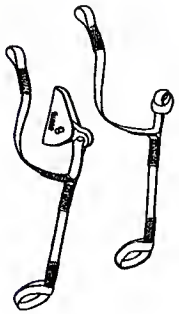
20101	KW Expedition Harness	**59.25**

KARST WORKS GIBBS FOOT HARNESS



Mil-Spec 1 3/4 inch wide parachute webbing is used for the foot loop, to which a free-running Gibbs Ascender is attached with 3/4 inch tubular webbing. A piece of 5/8 inch webbing of contrasting color is inserted inside the 3/4 inch webbing before sewing; this increases the strength of the attachment while providing a visibl wear indicator. A pre-sewn "chicken" loop with quick fit adaptor holds the Gibbs and footloop securely in place at the instep. Fully adjustable and will fit from a size 5 shoe to a size 14 shoe. Assorted colors as available. Also available with cam only.

20105	KW Gibbs Foot Harness	**71.50**



KARST WORKS KNEE HARNESS

The Karst Works Knee Harnesses come in two styles. The one on the left comes pre-sewn with a free running Gibbs. The one on the right has a loop sewn in the harness for attachment of an ascender. The Standard Knee Harness will accept a Quick Link for attachement into a Jumar type ascender. The harness has been shortened to account for the extra length of the Quick Link. Both harnesses are designed to fit any size Karst Works Footloop (not included). It is available in two sizes. Medium is for people up to 5'9". Large is for persons over 5'9". Assorted colors as available.

20107	KW Gibbs Knee Harness	**63.75**
20108	KW Standard Knee Harness	**13.50**

$3.50 SHIPPING*

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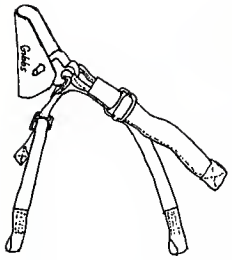

KARST WORKS GIBBS SHOULDER HARNESS

The Karst Works Gibbs Shoulder Harness provides for the third point of attachment that should be used/available in a Ropewalker system and is required to maintain an upright position when a chest box is not used. Constructed of 1 3/4 inch Mil-Spec webbing attached to a free-running Gibbs. The webbing passes over the shoulder and attaches to the bac of the seat harness. The back strap is adjustable via a quick fit adapter; by reaching behind and pulling the free end, the harness tightens for climbing; for non-vertical drops, the harness can be removed from the shoulder, but should remain attached as a safety. It is completely adjustable. Assorted colors as available.

20110	KW Gibbs Shoulder Harness	**69.50**

KARST WORKS SAFETY BELT

The Karst Works Safety Belt is made from 1 3/4 inch Mil-Spec parachute webbing. The belt has a sewn in wide mouth "D" ring for quick attachment. The Safety belt is adjusted with a quick fit adapter. The belt is designed to act as a safety and is not designed to support a person for any extended period. Assorted colors as available.

20111	KW Safety Belt	**24.00**

KARST WORKS GIBBS ROPEWALKER SYSTEMS

To encourage you to purchase a ropwalker system where each component is manufactured by the same company we are offering these special deals on the following systems. All systems share the following features: Gibbs Knee Harness, Gibbs Foot Harness, and Footloop with Chicken Loop. The options are on the upper attachment point. You can choose between a Gibbs Shoulder Harness or any Karst Works Simmons Roller Harnesses. Refer to individual product descriptions for more information. Please state size on Knee Harness and Footloop when ordering. Available in assorted colors.

20150	RW with 20110	**205.00**
20151	RW with 20103	**220.00**
20152	RW with 20104A	**226.00**

KARST WORKS FOOTLOOP WITH CHICKEN LOOP

Designed for use with the Mitchell, Frog, Texas, a standard knee harness, or any other ascending system utilizing the feet. Constructed of doubled 1 3/4 Mil-Spec webbing sewn together throughout their length. A 2" gap of single layer webbing is provided at the top for attachment of a sling. A sewn-in "Chicken" loop of 1" tubular webbing cinches around the ankle via a quick fit adapter to hold the loop securely, even in a full heel-hang. Available in several sizes. Small (5-7 boot size), Medium (7-9 boot size), Large (9-11 boot size), Extra Large (11-13 boot size). Assorted colors as available.

20109	KW Footloop	**11.50**

KARST WORKS INC.

KARST WORKS PRODUCT INFORMATION

All main harness material is MIL-W-4-88 Type 7 Military Specification 1 23/32 inch parachute webbing with a 5,500 pount tensile strength.

All shoulder strap webbing and chicken loop webbing is MIL-W-5625 Military Specification 1 inch tubular webbing with a 4,000 pound tensile strength.

The quick-fit adaptors on the 1 3/4 inch webbing are a (MS22019 Buckle) found on the main lift webbing of parachute harnesses. Each buckle is proof loaded to 2,500 pounds by the manufacturer before shipping. The buckles are specifically designed to be utilized with parachute webbing, and are pre-rigged so they don't require threading.

All webbing is sewn utilizing No. 138 white nylon thread, which has a breaking strength of 20-24 pounds.

The sewing pattern for all stress areas is a parallel box construction, with the sewing direction running parallel to the direction of stress. An average of 7 stiches per inch is utilized, with the thread pulling tight into the webbing to minimize wear.

$3.50 SHIPPING*

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Recruit Knife

Large blade, small blade, can opener with small screwdriver, bottle opener with large screwdriver and wire stripper, key ring, toothpick and tweezers. * RED * 3.25"L *

80001 Swiss Armby Brands Recruit **14.50**

Classic Knife

Small blade, scissors, key ring, tweezers, toothpick and nail file with screwdriver tip. * RED or BLACK * 2.25"L *

80002 Swiss Army Brands Classic **17.25**

Tinker Knife

Large Blade, small blade, can opener with small screwdriver, bottle opener with large screwdriver and wire stripper, reamer with sewing eye, Phillips screwdriver, key ring, tweezers, and toothpick. * RED * 3.5"L *

80003 Swiss Army Brands Tinker **21.50**

Camper Knife

Large blade, small blade, cork screw, can opener with small screwdriver, bottle opener with large screwdriver and wire stripper, reamer with sewing eye, wood saw, key ring, toothpick and tweezers. * RED * 3.5"L *

80004 Swiss Army Brands Camper **28.00**

Executive Knife

Large blade, small blade, scissors, key ring, tweezers, toothpick, orange peeler and nail file. * RED * 3"L *

80005 Swiss Army Brands Executive **32.50**

Mechanic Knife

Large blade, small blade, can opener with small screwdriver and wire stripper, reamer with sewing eye, Phillips screwdriver, pliers with wire cutter, key ring, toothpick and tweezers. * RED * 3.5"L *

80006 Swiss Army Brands Mechanic **33.50**

Climber Knife

Large blade, small blade, corkscrew, can opener with small screwdriver, bottle opener with large screwdriver and wire stripper, reamer with sewing eye, hook, scissors, key ring, tweezers and toothpick. * RED * 3.5"L *

80007 Swiss Army Brands Climber **36.00**

Huntsman Knife

Large blade, small blade, corkscrew, can opener with small screwdriver, bottle opener with large screwdriver and wire stripper, hook, reamer with sewing eye, scissors, wood saw, key ring, toothpick and tweezers. * RED * 3.5"L *

80008 Swiss Army Brands Huntsman **37.00**

Trekker Knife

Large blade, small blade, wood saw, hook, reamer, can opener with small screwdriver, bottle opener with large screwdriver and wire stripper, Phillips screwdriver, tweezers, toothpick, key ring, and scissors. * RED * 3.5"L *

80009 Swiss Army Brands Trekker **37.00**

Swiss Army Brands LTD "Victorinox"

Swiss Champ SOS Kit Knife

Large blade, small blade, can opener with small screwdriver, reamer with sewing eye, scissors, Phillips screwdriver, magnifying glass, wood saw, fish scaler with hook disgorger and ruler, metal file with metal saw and nail file, fine screwdriver, wood chisel, pliers with wire cutter, mini screwdriver, ballpoint pen, corkscrew, bottle opener with large screwdriver and wire stripper, hook, straight pin, key ring, toothpick, tweezers, compass/ruler, sharpening stone, pencil, paper, bandaids, sewing needles, thread, strike-anywhere matches, safety pins, nylon string, signal mirror and black leather pouch.
* RED * 4.38"H x 2.25"W x 1.75"D. Shipping Weight .7lb

80010 Swiss Army Brands Swiss Champ **125.00**

$3.50 SHIPPING*

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Because of the nature of the material contained within several of the publications that we offer for sell we can only sell those items with an asterisk at the beginning of the item number to National Speleological Society Members. Please provide your N.S.S. number when ordering these items. We are sorry for any inconvenience that this may cause. For information about joining the N.S.S. please contact the N.S.S. at NSS, 2813 Cave Ave., Hunstville, AL 35810-4431 or call 1-205-852-1300.

Item#	Description	Price
*81001	Caves of Randolph County by Doug Medville, 1971. WVASS Bulletin 1, 218 pages, 200+ caves listed. **OUT OF PRINT (PHOTO COPY)**	**16.00**
*81002	Development of Solution Features Cloverlick Valley, Pocahontas County by Eb Werner, 1972. WVASS Bulletin 2, 62 pages **OUT OF PRINT (PHOTO COPY)**	**8.00**
81003	Index of the Literature Pertaining to West Virginia Caves and Karst by Eb Werner, 1974. WVASS Bulletin 3, 155 pages.	**3.00**
*81004	Caves of Monroe County by John C. Hempel, 1975 WVASS Bulletin 4, 171 pages, 210 caves. **OUT OF PRINT (PHOTO COPY)**	**14.00**
*81005	Caves of North Central West Virginia by E. Ray & Mary Ellen Garton, 1976 WVASS Bulletin 5, 116 pages, 115 caves **OUT OF PRINT (PHOTO COPY)**	**14.00**
*81006	Caves and Karst Hydrology in Northern Pocahontas County by Doug & Hazel Medville, 1976. WVASS Bulletin 6, 174 pages, 300+ caves listed. **OUT OF PRINT (PHOTO COPY)**	**14.00**
81007	The Invertebrate Cave Fauna of West Virginia by John R. Holsinger, Roger A. Baroody & David C. Culber, 1976 WVASS Bulletin 7, 86 pages **OUT OF PRINT (PHOTO COPY)**	**7.00**
*81008	Caves of the Eastern Panhandle of West Virginia by Robert Gulden & Mark Johnson, 1985. WVASS Bulletin 8, 135 pages, 89 caves listed. **OUT OF PRINT (PHOTO COPY)**	**12.00**
*81009	Caves of the Organ Cave Plateau, Greenbrier County, West Virginia, edited by Paul J. Stevens, 1988. WVASS Bulletin 9, 200 pages, Organ cave + 50 others	**15.00**
*81010	Caves and Karst Hydrology of Southern Pocahontas County and the Upper Spring Creek Valley by Gary D. Storrick, 1992. Includes 30 fold-out maps. WVASS Bulletin 10, 220 pages, Friars Hole + 427 others	**24.00**
81011	The Vertebrate Fauna of West Virginia Caves by E. Ray Garton, Fredrick Grady & Steven D. Carey, 1993. WVASS Bulletin 11, 100 pages, 550 records listed	**12.00**
*81012	Introduction to the Caves of East-Central West Virginia by Douglas M. Medville, George R. Dasher & Eb. Werner, 1983. 1983 N.S.S. Convention Guidebook, Elkins, WV. 150 pages describing 50 of the best caves in the state **OUT OF PRINT (PHOTO COPY)**	**12.00**
*81013	1976 West Viriginia N.S.S. Convention Guidebook edited by E. Ray Garton, 1976. 117 pages describing the caves and geology in and around the 1976 Morgantown Convention **OUT OF PRINT (PHOTO COPY)**	**10.00**
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81015	Caverns of West Virginia by William E. Davies, 1958 with 1965 supplement. 474 pages describing over 500 caves. **1994 Reprint**	**20.00**
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*81020	The Caves and Karst of Buckeye Creek Basin, Greenbrier County, WV. By George R. Dasher and William M. Balfour, 1994. WVASS B-12. 238 pages, 80 photos, 4 color plates, 62 illustrations, 35 cave maps including 4 foldouts with descriptions of 116 caves including the 5+ mile Buckey Creek Cave System.	**16.00**
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Our standard colors for pelican cases are Black and Orange. The smaller cases are sometimes available in other colors. If you wish a different color than Black or Orange please contact us. If you do not specify a color we will choose one from our stock.

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Make checks or money orders (in US currency) payable to Karst Sports. Returned checks will be charged a $15.00 service fee. **Master Card**, **VISA**, and **American Express** are accepted. Please provide the credit card number, expiration date, and day phone number when ordering by credit card. There is no additional charge for credit card purchases.

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Any item in NEW condition can be returned for exchange or refund within 30 days. Please return the item with all packaging as it was mailed to you. To keep our prices as low as possible all returns will be charged a 15% restocking fee plus shipping charges. There is no restocking fee on exchanges.

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----------Douglas L Moore II (NSS 33064)----------

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State _____Zip _____	State_____Zip _____
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Evening Phone_____	Evening Phone_____

ITEM #	DESCRIPTION / SIZE	QTY	PRICE	TOTAL

Merchandise Total		
Shipping*	3	50
6% Sales Tax (WV Only)		
TOTAL ENCLOSED		

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Card Number

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Expiration Date

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